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Model Year Start: 2023	Model: Prius	Prod Date Range: [12/2022 -]
Title: HEATING / AIR CONDITIONING: AIR CONDITIONING SYSTEM (for HEV Model): A/C Switch Indicator does not Turn On; 2023 - 2024 MY Prius [12/2022 -]		

A/C Switch Indicator does not Turn On

DESCRIPTION

If none of the switch indicators on the air conditioning control assembly illuminate, the following factors may be the cause.

MALFUNCTION STATUS	FACTOR
A/C switch indicator does not illuminate	<ul style="list-style-type: none"> • Air conditioning amplifier assembly malfunction • Air conditioning control assembly malfunction • Servo motor initialization (incomplete) • Mechanical locking of damper and damper link • Refrigerant pressure is extremely low • Low detected ambient temperature (including thermistor assembly malfunction)

PROCEDURE

1.	CHECK MALFUNCTION STATUS
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(a) Check the malfunction status of switch indicators on the air conditioning control assembly.

Result	Proceed to
A/C switch indicators are not always illuminated	A
A/C switch indicators are not illuminated only immediately after starting the hybrid control system	B

B  **GO TO INITIALIZATION**

A


2. READ VALUE USING GTS

(a) Read the Data List according to the display on the GTS.

Body Electrical > Air Conditioner > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Ambient Temperature Sensor	Ambient temp. sensor (thermistor assembly)	-327.68 to 327.67°C	Actual ambient temperature displayed	Ambient temp. sensor (thermistor assembly) circuit malfunction

Body Electrical > Air Conditioner > Data List

TESTER DISPLAY
Ambient Temperature Sensor

OK:

The display is as specified in the normal condition column (0°C (32°F) or higher).

OK ► INSPECT REFRIGERANT PRESSURE WITH MANIFOLD GAUGE SET

for HFC-134a(R134a): Click here [INFO](#)

for HFO-1234yf(R1234yf): Click here [INFO](#)

NG ► GO TO OTHER DIAGNOSIS PROCEDURE (Ambient Temperature Display System)

